

Amendment to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

25. (Currently Amended) A method of ablating organic tissue, comprising:
sensing an initial state of vibration of the organic tissue prior to ablating the organic tissue;
positioning an electrode adjacent the organic tissue;
supplying electrical power to the electrode to effect ablation of the organic tissue;
sensing with a sensor positioned adjacent the electrode the vibration of the organic tissue being ablated wherein the vibration is self-generated in the organic tissue in response to the ablation and the self-generated vibration occurs during phase-transition but prior to boiling of water in the organic tissue; ~~and~~
determining a difference in vibration between the initial state of vibration and the self-generated vibration; and
reducing power to the electrode when the self-generated vibration reaches a given value.
26. (Currently Amended) The method of claim 25, further comprising:
halting the power when the self-generated vibration reaches a given value.
27. (Currently Amended) The method of claim 25, further comprising:
supplying fluid from a fluid supply to the tissue; and
halting the fluid supply when the self-generated vibration reaches a given value.
28. (Original) The method of claim 25 further comprising:
sending a signal from the sensor to a switch to reduce the power.
29. (Currently Amended) The method of claim 25, further comprising:

providing output from an output device when the self-generated vibration reaches a given value.

30. (Original) The method of claim 29 further comprising:
sending a signal from the sensor to the output device; and sending an indicator signal from the output device.
31. (Original) The method of claim 25 wherein the sensor is a piezoelectric crystal.
32. (Original) The method of claim 25 wherein the sensor is a piezoelectric polymer.
33. (Previously Presented) The method of claim 25 wherein the sensor is integrated with the electrode.
34. – 61. (Canceled)
62. – 80. (Canceled)